

Abstract

The invention relates to a hanging transparent glass vacuum tube type solar heat collecting unit, including heat collecting tube plate, transparent glass tubes and seal cover, characterized in that further comprising multiple fins disposed along the axial direction of the glass tubes, wherein, said fins comprise a base plate and a faceplate coupled thereto. The fin plates are coupled to the heat collecting tube plate plane through the base plate, and are arranged at an angle with the heat collecting tube plate. Since several parallel radiation absorption fin plates with a certain angle to the heat collecting tube plate are distributed on the light-absorbing surface of the hanging transparent glass vacuum tube solar heat collector, the absorption ratio is approximately 1 in hanging installment. Only a fine angle adjustment or no angle adjustment to the heat collector is required to enhance the harmoniousness with the buildings and avoid the disadvantages of heat dispersion and heat transfer, which gives a better effect in sunlight energy collection and heat transferring than the prior art.